

20000703.qrp v01\_n871.qrl.20000703

Date: Mon, 3 Jul 2000 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1871

## QRP-L Digest 1871

Topics covered in this issue include:

- 1) [74096] Re: Spartan Sprint Island Expedition  
by Jim Durkin <jimdurkin@yahoo.com>
- 2) [74097] Re: Argonaut 509  
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
- 3) [74098] Low Drop-out Regulators  
by Charles K Brown <n4so@juno.com>
- 4) [74099] Re: List  
by Jim Lowman <jmlowman@ix.netcom.com>
- 5) [74100] Re: Reverse Polarity Diodes  
by "Mike Yetsko" <myetsko@insydesw.com>
- 6) [74101] Ft. Tuthill Hamfest, July 28 - 30 {Flagstaff, Arizona}  
by jaywa5whn@juno.com
- 7) [74102] NC40A AGC problem solved!  
by K2UD@aol.com
- 8) [74103] Doug Faunt, please contact me  
by Scott Howell <n3byy@speakeasy.org>
- 9) [74104] 10 M Beacon & Bum Meter  
by wb2vuo@juno.com
- 10) [74105] Re: 1/2 wave Feed  
by wb2vuo@juno.com
- 11) [74106] yes, more cleanning  
by Scott Howell <n3byy@speakeasy.org>
- 12) [74107] RE: Reverse Polarity Diodes Why not something BETTER!  
by Sam Billingsley <SBillingsley@usaninc.com>
- 13) [74108] Improvised 10.7Mhz Signal Source?  
by Christian Void <cvoid@netcom.com>
- 14) [74109] Crystal and Oscillator Ramblings  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 15) [74110] Diodes for Mixers  
by "John J. McDonough" <wb8rcr@arrl.net>
- 16) [74111] Re: Reverse Polarity Diodes  
by "Karl F. Larsen" <k5di@zianet.com>
- 17) [74112] Outlook Express Filter Instructions  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 18) [74113] Re: AOL email problems-again!  
by Ray Colbert <af852@rgfn.epcc.edu>
- 19) [74114] Diodes in SMK-1

- by Tim Pettibone <k5oi@zianet.com>
- 20) [74115] Re: QRP: Stick to QRP stuff  
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 21) [74116] Them ol' PSK quiskins & stuff  
by nilsbull@juno.com
- 22) [74117] FS: Ten Tec 509,515 etc....  
by Michael Melland <badger@vbe.com>
- 23) [74118] Amp Problems  
by "Alex Turner" <aturner13@mindspring.com>
- 24) [74119] Z-match tuners  
by ARDUJENSKI@aol.com
- 25) [74120] ham key dual paddle straight set up  
by "Michael Herman" <kc9nf@hotmail.com>
- 26) [74121] SF items remaining  
by Scott Howell <n3byy@speakeasy.org>
- 27) [74122] Keyer speed  
by Dave Pomeroy <dave\_pomeroy@voyager.net>
- 28) [74123] Backpacking with a half wave vertical  
by Gary Slagel <gdslagel@yahoo.com>
- 29) [74124] If you are using short vertical...  
by ARDUJENSKI@aol.com
- 30) [74125] FS: S&S Engr. ARK4 transceiver  
by "Alan Fryer" <n3bj@hotmail.com>
- 31) [74126] Ribbon Cable  
by "Francis Callahan" <colcal@srv.net>
- 32) [74127] Re: Backpack antennas--the elevated vertical  
by John AE5X <ae5x@juno.com>
- 33) [74128] QRP Afield this fall?  
by John AE5X <ae5x@juno.com>
- 34) [74129] 4th of July QRP  
by Tom and Roxy <zikot@erie.net>
- 35) [74130] Portable power  
by Mercxx@aol.com
- 36) [74131] FS : Bencher BY-2 Paddles  
by Kw4cz@aol.com
- 37) [74132] Re: Reverse Polarity Diodes  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 38) [74133] OT: (to some) QRP project box deal  
by Michael Melland <badger@vbe.com>
- 39) [74134] Re: AOL email problems-again!  
by "John J. McDonough" <wb8rcr@arrl.net>
- 40) [74135] Re: Low Drop-out Regulators  
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [74136] OT: Fix Heathkit box plastic hinge  
by David Shalita <af389@lafn.org>
- 42) [74137] Server routing problems  
by Charles K Brown <n4so@juno.com>
- 43) [74138] FS or Trade: S&S Engr. ARK4 xcvr

by "Alan Fryer" <n3bj@hotmail.com>  
44) [74139] ARS Spartan Sprint  
by Charles K Brown <n4so@juno.com>  
45) [74140] Re: NC40A AGC problem solved!  
by Russ Dow <n7dw@garlic.com>  
46) [74141] Adjusting tuning range of NorCal 40A?  
by Jeff <fantbb@yahoo.com>  
47) [74142] FS: G7-220  
by K4YBB@aol.com  
48) [74143] Re: QRP Afield this fall?  
by "Dave Benson" <nn1g@earthlink.net>  
49) [74144] Vertical Antenna Mounting question???  
by "George Goodroe" <goodroe@worldnet.att.net>  
50) [74145] E-mail of DJ7ST ?  
by "Guido Tedeschi (ik2bcp)" <ik2bcp@hamlan.org>  
51) [74146] Hot Carrier (Schottky) diodes  
by Charles K Brown <n4so@juno.com>  
52) [74147] RE: Argonaut 509  
by osier <osier@northnet.org>  
53) [74148] Tick keyer minimum configuration?  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
54) [74149] QRP ARCI Contest Reminder  
by Randy Foltz <rfoltz@turbonet.com>  
55) [74150] Power FET PA's and IC drivers?  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
56) [74151] ARCI Membership Question  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
57) [74152] QRP backpacking configurations?  
by John AE5X <ae5x@juno.com>  
58) [74153] AFA Chips  
by Paul Womble <pwomble1@tampabay.rr.com>  
59) [74154] SMK-1  
by "Mugleston, Brad" <brad.mugleston@gwl.com>  
60) [74155] Re: 1/2 wave feed  
by Monte Stark <ku7y@dri.edu>  
61) [74156] Re: Tick keyer minimum configuration?  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>  
62) [74157] Re: OT: Fix Heathkit box plastic hinge  
by Jim/Julia <w7ls@blarg.net>  
63) [74158] Re: Tick keyer minimum configuration?  
by NB6M@aol.com  
64) [74159] Re: QRP backpacking configurations?  
by "Jim McKinley" <flyable@starpower.net>  
65) [74160] Wanted: MC14499P display driver  
by "Craig A. Ferris" <cferris@aeronix.com>  
66) [74161] NC40A -> NC20  
by Michael Bower <bowerm@ix.netcom.com>  
67) [74162] Re: Ribbon Cable

- by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 68) [74163] Bandpass filter testing  
by "Alex Turner" <aturner13@mindspring.com>
- 69) [74164] FS: 40m QRP rigs  
by Allan G Taylor <k7gt@qsl.net>
- 70) [74165] n5ib cw adapter questions  
by paul taylor <ptay1@miro.bestweb.net>
- 71) [74166] Museum Ships Event - USS Kidd  
by n5ib@juno.com
- 72) [74167] Re: ARCI Membership Question  
by Ray Colbert <af852@rgfn.epcc.edu>
- 73) [74168] Status of QRP-L  
by lujce@Lehigh.EDU
- 74) [74169] plastic hinges on Heath stuff  
by "Mel Evans" <mel@euramcom.freeseve.co.uk>
- 75) [74170] Milliwatt Triple Crown Final Leg  
by "John Burnley" <burnleyia@home.com>
- 76) [74171] Boards for LCD Keyer  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 77) [74172] Re: Vertical Antenna Mounting question???
- by "Karl F. Larsen" <k5di@zianet.com>
- 78) [74173] Re: Status of QRP-L  
by "James R. Duffey" <jamesd1@flash.net>
- 79) [74174] Re: If you are using short vertical...  
by wd3p@juno.com
- 80) [74175] ARCI Membership  
by "Karl F. Larsen" <k5di@zianet.com>
- 81) [74176] FS items and PQET question  
by k1vp@lawson-philpot.com

-----

Date: Sun, 2 Jul 2000 10:19:43 -0700 (PDT)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: aa4xx@ipass.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74096] Re: Spartan Sprint Island Expedition  
Message-ID: <20000702171943.2476.qmail@web311.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Is there a Spartan Sprint tomorrow?

73

Jim kt4a

--- Paul Stroud <aa4xx@ipass.net> wrote:

> Hi Gang,

>

> If you hear a ghostly response to your "CQ SP"

> Monday night, it may well

> be AA4XX/NA112. I'll be running my trusty SW-20+  
> into a beach mounted  
> vertical array.  
>  
> The power output will be around 50-100 mW.  
>  
> I'll be kayaking out to a small island about 2 miles  
> off the coast of  
> Swansboro, NC Monday morning to get set up for the  
> Sprint. High tide  
> coincides with the event, so the propagation should  
> be interesting...  
>  
> For more info on the Spartan Sprint, do a word  
> search on "Adventure  
> Radio Society."  
>  
> Hope to hear you in the fray. Happy July 4th to  
> all!  
>  
> 72, Paul AA4XX

-----  
Do You Yahoo!?

Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Sun, 2 Jul 2000 12:53:27 -0500  
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>  
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74097] Re: Argonaut 509  
Message-ID: <000601bfe44e\$6e5f8900\$c03c0b3f@default>

Yep ....

Nothing like an Argonaut!  
We used my 509 for our club station for last winter's FYBO contest.

Mike in Minnesota

-----  
Date: Sun, 2 Jul 2000 13:03:35 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [74098] Low Drop-out Regulators  
Message-ID: <20000702.130335.4046.16.n4so@juno.com>

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LM2936-5.0-ND 5 volt Ultra Low Current Regulator  
in the T0-92 package \$3.19

Digi-Key catalog page 171

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
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-----  
Date: Sun, 02 Jul 2000 11:12:41 -0700  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: plburbank@kih.net, qrp-1@lehigh.edu  
Subject: [74099] Re: List  
Message-ID: <395F8619.6872B104@ix.netcom.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Exactly, Pete! As a matter of fact, you just tested my "fox" filter.

The downside is that, had I not actually checked the highlighted messages in the trash bin, I would have missed yours. As you said, it is easier to review the messages this way.

72 de Jim - AD6CW

Pete Burbank wrote:

>  
> Rather than complaining about subject matter it is easy to review  
> the day's mail by setting up your 'puterater properly.  
> Here all list messages are sent to the Trash bin (Eudora Baby)  
> and can be sorted by my massive brain in a few minutes....prior  
> to a final dump.

-----  
Date: Sun, 2 Jul 2000 14:29:44 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74100] Re: Reverse Polarity Diodes  
Message-ID: <005701bfe453\$edae39e0\$0400a8c0@dadshp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Karl,

You're right.

It's not a big deal. If it pops, you fix your wiring mistake and replace the fuse. That's the CORRECT way to do things, and it really is the best way to do it if you need full supply voltage.

However, a lot of 'non-technical' type people will always put another fuse in, and it will pop too. THEN they will look for the problem, realize it's wired backwards, fix it, and then put yet another fuse in and away they go.

BUT, a not insignificant portion of the people, even some who SHOULD know better, will try that second fuse, and when that pops ,either because they have no more of that

rating or they somehow have a brain-fade and think their rig is 'just over the limit' for that fuse, will put in a high-value fuse for that 'one more try' kind of thing. And THIS is why that scheme has it's downside. Even if the unit has a second fuse 'inside' the unit, it is now down till it is taken apart and either the internal fuse replaced, or the internal fusible link is repaired, or a minor campfire in the unit is repaired.

Mike

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>

> I looked at the schematic for my Argonaut 509 and it has a 2 amp fuse in  
> the 12 volt "Hot" line and a 1n4002 diode hooked cathode to the "Hot"  
> line, anode to ground. If you hook up power wrong you blow the 2 amp fuse.  
> Big deal...  
>  
>  
> On Fri, 30 Jun 2000, Mike Yetsko wrote:  
>  
> > There are three common configurations for a 'polarity' protection  
> > diode in a rig.  
> >  
> > In one case, the diode is in series and conducts normal current  
> > when the radio draws power.  
> >  
> > The advantages of this are the radio works when power is  
> > correct, and the radio does not destruct any components when  
> > the power is reversed.  
> >  
> > The disadvantages of this are the forward diode voltage drop. If the  
> > radio is designed with this, and not 'tacked on' later, it usually is  
> > not appreciable.  
> >  
> > The other case is the diode REVERSED from the power to ground.  
> > In normal operation the diode is NOT conducting, sitting there in  
> > a reverse bias case, if power is applied correctly. If power is applied  
> > in reverse, the diode conducts, drawing more current than the rig  
> > is fused for, and the fuse blows, protecting the radio. Most CB sets  
> > use this scheme.  
> >  
> > The advantages of this scheme is the full supply voltage is available  
> > to the radio with no diode drop.  
> >  
> > The disadvantages of this scheme is that when the reverse diode  
> > triggers the protection, it is destructive to the fuse. There is also a



> > minor disadvantage in that these diodes are prone to failure when  
> > used in an environment with high voltage spikes on the incoming  
> > voltage, and the diodes can prematurely fail, or can actually 'zener'  
> > and conduct. Some could argue this is actually an advantage, as  
> > it can suppress some noise or otherwise protect the rig. This is  
> > usually destructive to the fuse, and occasionally to the diode itself.  
> >  
> > Another disadvantage is the 'operator error' issue I mention below!  
> >  
> > The third scheme is not near as common as the first two. That is a  
> > full wave bridge is connected to the input. This is not that common,  
> > and usually only seen on rigs with isolated chassis.  
> >  
> > The advantages of this system is the rig doesn't care which wire is  
> > connected which way. (It was popular with truckers with CB sets  
> > in the mid to late 70's so they could just plug a rig into the cigar  
> > lighter in their positive ground trucks and negative ground cars  
> > without worrying about polarity.)  
> >  
> > The disadvantage of this scheme is that there are now TWO forward  
> > voltage drops in series with the supply voltage.  
> >  
> > I added this to a LOT of CBs for truckers when they needed repaired  
> > for being hooked up 'backwards'.  
> >  
> > One final note, it's common to find a trace burnt on the rigs with the  
> > diode reversed in the second scheme. Usually when a rig is hooked  
> > up backwards, especially by a non-technical person, it's very common  
> > to find the fuse blown, and to replace it with another. Then when  
> > that one blows, replace it with a 20 amp... Most rigs built like this  
> > will also have an INTERNAL fuse. Either a formal wired in glass  
> > fuse, or they will intentionally have a 'fuse link' in the PCB traces  
> > designed to blow when someone decides the only thing wrong is  
> > the fuse isn't big enough. If you EVER repair a rig with this blown  
> > trace, do NOT put down heavy bypass wire!! They did it once, they  
> > will probably do it again! Either hack in an internal fuse, or  
> > otherwise  
> > rebuild the 'fusible link'!  
> >  
> > Mike  
> >  
> >  
> > > (The connection of a reverse polarity diode in a plus  
> > > 12 volts circuit, is anode side going to the DC power  
> > > jack). Current flow is anode to cathode. Cathode side  
> > > is the bar.  
> > >  
> > > I've tinkered with a number of CB radios (okay, there, I admit it)

> > that  
> > > connected the diode across the power leads with the cathode toward the  
> > > positive lead. That way if the the radio is connected backwards the  
> > diode  
> > > draws lots of amps and blows the inline fuse.  
> > >  
> > > It's a little more destructive than the series diode, but you don't  
> > get the  
> > > diode drop AND its forward resistance limiting input current to a  
> > properly  
> > > connected radio.  
> > >  
> > > I've also seen radios with a full-wave bridge connected to the DC  
> > input such  
> > > that the DC source goes into the AC inputs of the bridge, which then  
> > > "steers" the current in the proper direction in all cases. That way  
> > you get  
> > > 2 diodes in series with your source, and some potentially strange  
> > grounding  
> > > problems.  
> > >  
> > > Dave  
> > >  
> >  
> >  
> >  
> >  
>  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>  
>

-----  
Date: Sun, 2 Jul 2000 12:32:41 -0600  
From: jaywa5whn@juno.com  
To: qrp-l@lehigh.edu  
Cc: patrick.taber@philips.com  
Subject: [74101] Ft. Tuthill Hamfest, July 28 - 30 {Flagstaff, Arizona}  
Message-ID: <20000702.123445.-960193.0.jaywa5whn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

My Outlook Calendar has the following listed for July 28 - 30;

Ft. Tuthill {Flagstaff, AZ} Hamfest

<http://www.extremezone.com/~nk7m/qrp2000.htm>

AZ scQRPion's Campground

35 degrees 08 minutes 30.2 seconds North

111 degrees 41 minutes 48.1 seconds West {WGS-84 datum}

7,000 ft. asl

72...Jay, WA5WHN DM65qd Albuquerque, NM USA  
ECM on X, K, Ka & LASER on I-40 in

AZ

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---

Date: Sun, 2 Jul 2000 14:49:53 EDT  
From: K2UD@aol.com  
To: qrp-1@lehigh.edu  
Subject: [74102] NC40A AGC problem solved!  
Message-ID: <84.772778a.2690e8d1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

It should have been a no-brainer. It was, and so was I.

After letting up on the key after transmitting, my Wilderness NC40A would take a few seconds to recover and provide copy. Sounded like the AGC was slow to recover, but after transmit? I had the pot adjusted for minimum AGC action.

Here's the diagnosis.

As I do so often this time of year, I enjoy in repairing to the rear deck and operating solar power from the picnic table. The Western New York QRP Society, sun-worshippers division, you kneaux. I found that the problem occurred when the rig was in direct sunlight and warmed up to sufficient temperature. This problem did not occur on the bench BTW, and was driving me crazy!

I measured the AGC and key (mute) lines on the rig but found them to be operating normally. When the rig is up to temperature in sunlight, it seems that the 2 AGC FETs may be going thermal, taking their merry time to recover even though the AGC and mute voltages are saying "receive you fool!" At first guess, I'd like to point to the FETs, I didn't check the audio IC yet. No matter, problem seems to be thermally related.

The fix? Move the rig into the shade. I did, and it worked normally. Gave it a suntan again, problem was back. Makes sense that the problem doesn't occur in the basement or on the workbench (read that, kitchen table).

Guys, give this a try, let me know if you have similar results. It would be interesting to see who else suffers the same malady while trying to give their '40A a tan!

TNX to all es 72

Howard Kraus, K2UD

-----  
Date: Sun, 2 Jul 2000 14:51:09 -0400 (EDT)  
From: Scott Howell <n3bby@speakeasy.org>  
To: qrp-l@lehigh.edu, tentec@contesting.com  
Subject: [74103] Doug Faunt, please contact me  
Message-ID: <Pine.LNX.4.20.0007021450010.2816-100000@n3bby.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doug, please drop me a note at n3bby@speakeasy.org, I need your E-mail address.

tnx es 73 de Scott/n3bby

-----  
Date: Sun, 2 Jul 2000 14:59:58 -0400  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu

Subject: [74104] 10 M Beacon & Bum Meter  
Message-ID: <20000702.150003.-392427.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Never trust just one wattmeter!

I just finished rebuilding the latest version of the NQ2RP/B 10 meter beacon TX. I put it on my homerolled QRPP wattmeter last week, and only "saw" 30 - 40 mW out, a bit anemic.

3 different finals and no change, THEN I got out the analyzer and a known source. With a 2-watt TX at full scale, the beacon was at -9 dBc (maybe -10 dBc) or about 200 - 250 mW out, more like what I expected.

It's on the air (28.287330 MHz according to the counter, if I can trust it...), pumping out the mighty 1/4-Watt.

I guess that I will have to get yet another wattmeter, but then which one should I trust? And how do I know that my "Precision" attenuator is "Precise"??

I guess that I need a good 100 MHz scope, a set of x1 and x10 probes and a Service Contract for semi-annual calibration of the same IAW MIL-STD 45662 at the local Metrology lab. Aren't hobbies fun?

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp  
President & FD'00 Chairman, Brockport Amateur Radio Klub  
My night light runs more power than my Rig!!!  
Replies - <mailto:wb2vuo@arrl.net>

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---

Date: Sun, 2 Jul 2000 15:20:02 -0400  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu  
Subject: [74105] Re: 1/2 wave Feed  
Message-ID: <20000702.152005.-392427.1.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I have to weigh in on this also. I have been running multiple dipoles, fed with a common feedline for ages. I saw it suggested in either the Handbook or in "Fundamentals of Amateur Radio" when I was a Novice, and have stuck with it since then.

One thing I did find is that putting the dipoles (or Inverted Vees) perpendicular to each other serves a couple of purposes, reduced interaction between harmonically-related bands, and they make GREAT guys for your mast!!!

Presently I have just such an antenna up for 80 & 40M, I built one for a local ham here in town, and built one for Field Day which was put up in NVIS mode at the breathtaking height of 6 Meters!

When I was operating as WB2VUO/VQ9C in 1974 I had two such antennas up behind the barracks, 40 & 20M and 15 & 10M. Running the Argonaut 505 into those antennas netted me 140+ countries at the dead bottom of the sunspot cycle, although I will admit that the VQ9 call was worth at least +20 dB on the air...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp President & FD'00 Chairman, Brockport Amateur Radio Klub  
My night light runs more power than my Rig!!!  
Replies - <mailto:wb2vuo@arrl.net>

---

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<http://dl.www.juno.com/get/tagj>.

---

Date: Sun, 2 Jul 2000 15:27:20 -0400 (EDT)  
From: Scott Howell <n3bby@speakeasy.org>  
To: qrp-l@lehigh.edu, cw@qth.net  
Subject: [74106] yes, more cleanning  
Message-ID: <Pine.LNX.4.20.0007021525350.2816-100000@n3bby.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ok, I can't stop now.

Got an MFJ 417 \$60 shipped. Original box and manuals. Ye, this is the modle with the lcd.

Kenwood HS5 new in box. \$35

tnx es 73 de Scott/n3byy

-----  
Date: Sun, 2 Jul 2000 15:26:01 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrp1\_Submit (E-mail)" <qrp-1@Lehigh.EDU>  
Cc: "\_Pickett AD4S Cummins (E-mail)" <jpcummins@att.net>  
Subject: [74107] RE: Reverse Polarity Diodes Why not something BETTER!  
Message-ID: <058CBAE0931FD411B70E00805FCD5D420B8AD7@MAILSERVER2>  
MIME-Version: 1.0  
Content-Type: text/plain

If you want to protect your rig from reverse voltage, overvoltage ,  
overcurrent or under voltage then you should consider the NOGAPIG - North  
Georgia QRP Power Indicator and Guard kit.

All the bad conditions including blowing fuses is eliminated if your rig  
operates on 1.5 amp at less than +25VDC.

Check it out at the NOGA web site. (Full FREE documentation)

Sam Billingsley AE4GX Atlanta, GA  
personal web page at <http://ae4gx.home.mindspring.com/>  
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

From: Karl F. Larsen  
Date: Sun Jul 02 2000 - 12:58:35 EDT

I looked at the schematic for my Argonaut 509 and it has a 2 amp fuse in  
the 12 volt "Hot" line and a 1n4002 diode hooked cathode to the "Hot"  
line, anode to ground. If you hook up power wrong you blow the 2 amp fuse.  
Big deal...

On Fri, 30 Jun 2000, Mike Yetsko wrote:

> There are three common configurations for a 'polarity' protection  
> diode in a rig.  
>  
> In one case, the diode is in series and conducts normal current  
> when the radio draws power.  
>  
> The advantages of this are the radio works when power is

> correct, and the radio does not destruct any components when  
> the power is reversed.  
>  
> The disadvantages of this are the forward diode voltage drop. If the  
> radio is designed with this, and not 'tacked on' later, it usually is  
> not appreciable.  
>  
> The other case is the diode REVERSED from the power to ground.  
> In normal operation the diode is NOT conducting, sitting there in  
> a reverse bias case, if power is applied correctly. If power is applied  
> in reverse, the diode conducts, drawing more current than the rig  
> is fused for, and the fuse blows, protecting the radio. Most CB sets  
> use this scheme.  
>  
> The advantages of this scheme is the full supply voltage is available  
> to the radio with no diode drop.  
>  
> The disadvantages of this scheme is that when the reverse diode  
> triggers the protection, it is destructive to the fuse. There is also a  
> minor disadvantage in that these diodes are prone to failure when  
> used in an environment with high voltage spikes on the incoming  
> voltage, and the diodes can prematurely fail, or can actually 'zener'  
> and conduct. Some could argue this is actually an advantage, as  
> it can suppress some noise or otherwise protect the rig. This is  
> usually destructive to the fuse, and occasionally to the diode itself.  
>  
> Another disadvantage is the 'operator error' issue I mention below!  
>  
> The third scheme is not near as common as the first two. That is a  
> full wave bridge is connected to the input. This is not that common,  
> and usually only seen on rigs with isolated chassis.  
>  
> The advantages of this system is the rig doesn't care which wire is  
> connected which way. (It was popular with truckers with CB sets  
> in the mid to late 70's so they could just plug a rig into the cigar  
> lighter in their positive ground trucks and negative ground cars  
> without worrying about polarity.)  
>  
> The disadvantage of this scheme is that there are now TWO forward  
> voltage drops in series with the supply voltage.  
>>>snip>>>

-----  
Date: Sun, 2 Jul 2000 12:33:48 -0700 (PDT)  
From: Christian Void <cvoid@netcom.com>  
To: qrp-1@lehigh.edu



Subject: [74108] Improvised 10.7Mhz Signal Source?  
Message-ID: <Pine.3.89.10007021247.A1722-01000000@netcom6.netcom.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

greetings. i need to improvise a 10.7mhz signal source to align a receiver i am building. is it possible to use the auttek rf-1 as a source? is it safe to directly couple the output of the rf-1 to the circuit under test? any ideas for other improvised signal sources? was thinking of building a simple lc oscillator and calibrating it with my freq counter and using that.

any help would be appreciated, especially in regards to coupling the signal source to the circuit under test.

thanks in advance.

73 de kf6ihu/9 - christian

-----  
Date: Sun, 2 Jul 2000 12:53:50 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [74109] Crystal and Oscillator Ramblings  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC0E@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

In some areas of HF oscillators, I am a newbie.  
I will be building some crystal-controlled multiband transmitter projects.  
The problem is I need to insure that when I order a crystal for 7040, 10116 or 14060 that it will be on frequency without the need of BIG compensatory components taking up space and the nuisance of retuning or separate trimmers for each crystal.  
Are there osc circuits that will be on-freq every time if used with "standard" formula crystals from ICM or JAN?  
Maybe one with resistors and no L/C components to pull the crystal off?

(Seems to me, in the old daze, you could plug a 7105 crystal in to the old novice transmitter and actually be on 7105.)

I may add a VX0, or VX0 plus het osc plus mixer (for constant VX0 range in all bands) when I reach that comfort level in homebrew, but for now

would like  
to find an accurate, simple XO design.

Along the VXO train of thought, I wonder about the idea of a  
"compromise"

L/C value for VXO pull of crystals operating between 3.5 and 21 MHz in a  
multiband QRP transmitter?

I guess the constraint would be the top frequency; avoiding slipping out  
of crystal mode

and the circuit becoming an LC oscillator. Of course the lower  
frequency limit

would pull a lot less than the top frequency.

Your ideas are welcome

73, Jay

W6CJ

-----  
Date: Sun, 2 Jul 2000 16:16:36 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74110] Diodes for Mixers  
Message-ID: <064701bfe462\$6f115cc0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK, time to expose my ignorance.

Joe Carr (Exploring RF Circuits) indicates that hot carrier diodes work  
better for mixers than my trusty 1N4148's. He suggests 1N5820, 1N5821 or  
1N5822's. These are listed as Schottky barrier diodes and are 3 amp units.

What's the difference between a Schottky barrier diode and a hot carrier  
diode? Why on earth would I want 3 amp diodes in a mixer? What is it about  
these that makes them special? Am I any better off than just using an  
LM1496 (which RS happens to have on sale)? Would a 1N5817 work as well as  
the 5820's (only 1 amp, half the price)?

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Sun, 2 Jul 2000 14:24:16 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Mike Yetsko <myetsko@insydesw.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74111] Re: Reverse Polarity Diodes  
Message-ID: <Pine.LNX.4.10.10007021418040.1433-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike,

Just to drop the long tail I didn't quote all the old stuff. Your point is well taken. But as a retired designer you can't protect everyone from their own folly. What you CAN do is design the device so that if the owner applies reverse polarity the fuse protects the device. What happens next is not my concern.

A good technician will check everything before continuing and find the reversed power and correct it. A drunken old Ham will do god only knows what. I can't design for those people...:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Sun, 2 Jul 2000 16:00:12 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [74112] Outlook Express Filter Instructions  
Message-ID: <00fe01bfe468\$8810d740\$0100a8c0@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks, Thom K3HRN has been so kind to post a copy of a document I created showing how to set up filters and folders (topic groups) on his QRP Web site. We hope that it will be of help to someone in this area. I will be happy to answer further questions about it.

The link is below.

<http://www.min.net/~thom/qrp/outlookfolders.html>

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandoooley@pipeline.com  
SOC#198  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

-----  
Date: Sun, 02 Jul 2000 15:28:50 -0600  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: ARDUJENSKI@aol.com  
Subject: [74113] Re: AOL email problems-again!  
Message-ID: <395FB412.9C71DB56@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Alan, I don't think it is AOL this time. I don't use that  
and I have sent messages thru 3 different servers here  
to QRP-L and only about half have arrived. Seems to have  
started on Friday.

--  
"The more I see of the representatives of the people, the more I  
admire my dogs." letter from Count d'Orsay to John Foster 1850  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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-----

-----  
Date: Sun, 02 Jul 2000 15:35:06 -0600  
From: Tim Pettibone <k5oi@zianet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [74114] Diodes in SMK-1  
Message-ID: <3.0.5.32.20000702153506.0079d140@zianet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK, so I'm slow. Finally got around to trying to build the SMK-1 kit.

With the exception of breaking one transistor when trying to remove it (wrong place), and losing a cap to the tweezer syndrome, it seems to be going together ok. I'm confused on the placement of the diodes. How do I know which end of the diodes goes with the band on the circuit board? One end has a deep groove and it also has a slightly broader black band. I'm guessing that matches the band on the board but I'm not sure.

The utility of this kit may be in realizing that surface mount construction may not be in my future. Hope it works!

Tim K50I

-----  
Date: Sun, 2 Jul 2000 17:42:02 -0500  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [74115] Re: QRP: Stick to QRP stuff  
Message-ID: <200007022242.SAA08072@maynard.mail.mindspring.net>

> One way to do this is to ask Jim to change the software, so that  
> qrp-l@lehigh.edu does not appear in either the to: , from: or cc:  
> lines at the top of the message, only the address of the sender does.  
> So that if you click "REPLY" it only goes to the sender. To send your  
> comments to the entire list, would require you to type in the list  
> address.  
>

Alas, it is never as simple as that. Many people get the digest, which has only one header for a whole day's messages, to start out with. In addition, where a reply gets routed depends on the e-mail software in use and how it is configured. Some are easy to control in that respect, others not. But changing the list configuration might make you happy and ten other people unhappy. Far better for everyone to learn how their own e-mail software works, and try to make it do the sensible thing with respect to individual vs. group replies.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

-----  
Date: Sun, 2 Jul 2000 22:37:55 +0000

From: nilsbull@juno.com  
To: QRP-L@lehigh.edu, elecraft@qth.net  
Subject: [74116] Them ol' PSK quiskins & stuff  
Message-ID: <20000702.223800.-254853.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Gang,

Both the QRP-L & the Elecraft list have had occasional chatter about PSK & how to set whatever radio up for PSK. Depending on how much power is in the plan for transmittin'. To which I have also often enough fallen victim as victimized by the text &c.

Well, here's the deal: I found that if I set the K2 to about .9 W, I can get a reasonable 50 W out of the CCI PA block, filters, relay changeover & all. This is, of course, with the K2's mic level at 1 & compression at 1. (K2 weasels will understand these numbers, all others must first consult Chlorophyllians 4:13.)

Now, mind you, I have not yet had QSO number 1 on with this lash-up & only figured this out in the process of showing my eldest son all this PSK stuff as part of "see what I understand about what you understand" stuff. Actually, I'm lookin' forward to having QSO one on this puppy . . .

But I did copy very nicely a signal that was visually only a ghost streak on the screen from a guy in Denmark . . . so now to shift to the Danish keyboard & see how much of a fool I can make myself look like.

After I finish the bowl of ice cream & blueberries what was left over from the family cook out.

Ian, the elder son, was quite amazed by this stuff. He said that he knows a bunch of hacker geeks who have a loft somewhere full of old junk computers that they have hosed together to GHz link point-to-point system that they are building, mainly, as Ian said, as a protest to whatever Nynex has become in its most recent corporate mutation. So he knows . . .

Hope you had a nice 4th. I managed to shock myself, burn myself and, in reaction to the burning & shocking, smack my forehead right into a roll of slobber what left a very X-Files like mark square in my forehead right where the metal plate was put in the last time the aliens took me to the soccer field for interrogation by the insidious Men in Black (not to be confused with the men in black, who are not related to the Men In Black, as opposed to those other SPLINTER groups in the colloseum . . . )

73

Nils

. . . what was that about the magnetic kick thingie that I was gibbering about the last time . . . and slobberin' irons do get hot . . . and capacitors stay charged . . .

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>

"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov, 19 Oct 1917

-----  
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<http://dl.www.juno.com/get/tagj>.

-----

Date: Sun, 02 Jul 2000 19:41:06 -0500

From: Michael Melland <badger@vbe.com>

To: qrp-l@lehigh.edu, njqrp@njqrp.org

Subject: [74117] FS: Ten Tec 509,515 etc....

Message-ID: <395FE122.5ED8610E@vbe.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I saw this on the Ten-Tec reflector and though it sounded like a fair deal so I'm sending it here for those who may be interested in a Argonaut on the list. Don't reply to me see mail for sellers phone/address. This just now came across the Ten-Tec list.

-----

I have the following for sale:

Ten-Tec Argonaut 509, 206 calibrator, 208 cw filter and manual for \$300 shipped CONUS. The 509 does have a 1/4 inch scratch near the RF gain control knob.....other than that it's perfect.

Ten-Tec Argonaut 515 with original manual for \$375 shipped CONUS. This unit

has a very small scratch below the "7" in the resonate control area.

This was

recently

returned from the factory for a PTO rebuild and alignment so it is in

perfect  
electrical condition.  
Icom IC-2100H 2 meter mobile unit, microphone, original manual and box  
for  
\$140 shipped CONUS. Perfect condition throughout.  
Please leave e-mail or call me in NH at 603-224-5737 no later than  
0200Z.  
Tnx es 73, Brad W1XV

-----  
73

--  
Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal, RC #252  
NJ-QRP #214, SOC #142, Cheeseheads QRP Club  
List Administrator: grundig@qth.net  
<http://www.vbe.com/~badger>

-----  
Date: Sun, 2 Jul 2000 21:38:32 -0400  
From: "Alex Turner" <aturner13@mindspring.com>  
To: <qrp-l@lehigh.edu>, <elecraft@qth.net>  
Subject: [74118] Amp Problems  
Message-ID: <003601bfe48f\$67a228c0\$a4611e01@ws2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm trying to use the CCI amp with the Elecraft K2 and OHR 100A(20). All is well as long as it is on the dummy load, but as soon as I connect to either of the two antennas the whole thing goes into oscillation. Get max forward and reflected power indications on the tuner(MFJ-941E). This happens without the transceiver even being keyed.

I have the antennas switched through the tuner. One is a dipole for 15 and the other is a 40 foot feed with 450 ohm ladder line. The antennas behave well with both rigs without the amp.  
Any and all suggestions appreciated.

Thanks  
Alex, N4BYJ



-----  
Date: Sun, 2 Jul 2000 22:04:52 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74119] Z-match tuners  
Message-ID: <7c.7a20176.26914ec4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I saw a post earlier requesting info on Z-match tuners. I suggest you try going to <http://www.google.com> and type in Z-MATCH TUNER and you will get more info than you can shake a stick (probe) at. Lots of good inf, articles and pictures and designs.

Alan KB7MBI

(GOOGLE is an excellent source for searches as previously pointed out by others)

-----  
Date: Sun, 02 Jul 2000 19:11:40 PDT  
From: "Michael Herman" <kc9nf@hotmail.com>  
To: qrp-l@Lehigh.EDU, SKIPNC90@aol.com, tentec@contesting.com, K9ze@aol.com, frank@electronicinstrument.com, WB9VG0@aol.com  
Subject: [74120] ham key dual paddle straight set up  
Message-ID: <20000703021140.48136.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

fs ham key dual key/paddle best offer ??? Mike n9nf

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Sun, 2 Jul 2000 22:15:15 -0400 (EDT)  
From: Scott Howell <n3byy@speakeasy.org>  
To: cw@qth.net, tentec@contesting.com, qrp-l@lehigh.edu  
Subject: [74121] SF items remaining  
Message-ID: <Pine.LNX.4.20.0007022202150.3152-100000@n3byy.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The following items are available.

1. Ten-Tec 607 keyer (single lever paddle) has attached plug. VErY good condx however, there is a bolt in the lower right corner where someone was planning to add an internal keyer.

It looks great otherwise. The bolt does not detract from its looks.

2. I have approx 40ft RG213/U \$20

3. approx 35ft RG8X (mini 8x) \$\$15

4. APC Smart UPS supports Linux/Unix and Win9X/Nt \$175 (new in box)

5. 2M/6M Ringo Ranger \$20 shipped

6. 2M Larson Mag mount w/whip \$25

7. QRP LDG Electronics balun box \$7

note: this box has two terminals and an so239 for connections.

8. MFJ 417 Morse tutor box and docs. \$60

9. Paddlette paddle with case and leg strap. \$40 shipped. Used once.  
I have original manual and shipping carton.

All items include shipping within the 48 continuous states.

All items are also insured at full replacement value

Note: items under \$10 are not insured, items generally go UPS however, may also go USPS and will be insured upon request for an additional charge. Of course items over \$20 going USPS will be insured at no extra charge.

-----  
Date: Sun, 02 Jul 2000 23:23:15 -0400  
From: Dave Pomeroy <dave\_pomeroy@voyager.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74122] Keyer speed  
Message-ID: <39600723.FFD7854B@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have a K2 thats been operating for several months without any problems. Some time back I started getting excessive Keyer speed

readout. It seems to be very touchy and sometimes I don't even need to touch anything and I get the readout. Only on receive never on transmit so that seems to rule out RF in the shack. I think I remember it being just like the power out. When you turn the pot you get a reading and after a second or 2 the readout returns to normal. Any body have any ideas about this.

Also I am looking for the Email address of an amatuer operator in Hawaii that goes by the name of SAC. We traded radios and I have a couple of questions about the 733A. Thanks for the bandwidth and Thanks for the help.

--

Dave Pomeroy K8DNP SouthWest Michigan

-----  
Date: Sun, 2 Jul 2000 20:40:13 -0700 (PDT)  
From: Gary Slagel <gds slagel@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Subject: [74123] Backpacking with a half wave vertical  
Message-ID: <20000703034013.9726.qmail@web214.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I put my vote in for the half wave vertical for a back packing antenna.

Just returned from overnighiter to Lost Creek Wilderness in Rocky Mountains. Hiked in and camped on a pass at about 11000 foot elevation. Thanks to K5DI, WB4AEG, W4MYO, WB6IYS and WZ4L for the nice qsos while I was up there.

I packed an sw20, 10 AA batteries and a 1/2 wave vertical for 20 meters with a little homebrew tuner and swr meter in an altoids box. REALLY easy to put up and really light weight. No feedline. I wrap a 16' and a 33' wire around my altoids tin tuner for packing and the whole antenna and feedline is not much bigger then the altoids box. I've used this antenna 3 times now and always have good luck. I've seen a couple posts here comparing this antenna pretty favorably with a dipole and I've gotta agree. At the site, just throw one end of the wire up in a tree and you're ready to got. This time I got fancy. Rather then throw the wire directly in the tree, I threw fishing line over a limb and drug the wire up with that. That way, the other end of the wire could be moved around by pulling it higher up or lowering it.

This was very handy when I wanted to move my operating position from the bottom of the tree to inside my tent.

A couple months ago there was an article on the ARS page about a simple tuner for a 1/2 wave wire. It also referenced a little led based swr meter, again really simple. I'm all thumbs when it comes to building but I was able to put these two simple circuits together and make a very portable tuner.

Sorry for the length of this post but came back from this trip all fired up. The xyl doesn't QUITE understand so I had to blow off a little :-).

73 all, Gary

=====

Gary Slagel/N0SXX  
Conifer, CO 80433  
gdslagel@yahoo.com  
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Mon, 3 Jul 2000 03:03:29 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74124] If you are using short vertical...  
Message-ID: <20.81c1e29.269194c1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

You may want to read this article if you haven't already by VK1BRK if you use short verticals in the field. It points out elevating 0.05 wavelenght and use of 0.15 wave long radials (3-4) provides an optimum arrangement.

<http://www2.dynamite.com.au/vk1brh/shortvert.htm>

For 40M you elevate the antenna about 6 ft and use 3-4 20ft radials. It does work remarkably well with the SLV. It works like gang busters on 20M.

If you use ground radials there is about a 3db increase going from 4 to 120 radials (HANDBOOK). Now if you go to an inverted half square you get almost 3db increase over the single vertical without any radials.

This is not to say that a 1/4 wave antenna over 120 radials is not a better antenna, but you can get a solid performer using fewer and shorter radials. As the author points out, putting your vertical over swamp land or saltwater will give a significant increase in performance too.

It is sort of like the energy curve for insulation. There is a big difference in insulation values up to R-19 but marginal improvement going to R-40. All I know is that it has worked well for me. (I am sure this will generate some interest-and comments)

Just passing on some interesting info I picked up---alan KB7MBI

-----  
Date: Mon, 03 Jul 2000 03:08:21 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Cc: forsale-swap@qth.net  
Subject: [74125] FS: S&S Engr. ARK4 tranceiver  
Message-ID: <20000703100821.61698.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

For Sale: S&S Engineering ARK4 transceiver, very nice condition, works fine. Has built in keyer. Original manual. Neat rig, rather rare. Have another one, this one is surplus to my needs.

\$135 shipped

Alan, N3BJ

-----  
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-----  
Date: Mon, 3 Jul 2000 04:19:28 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <QRP-L@lehigh.edu>  
Subject: [74126] Ribbon Cable  
Message-ID: <000501bfe4d8\$2d016c00\$66dd070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Has anyone tried to use ribbon cable as a counterpoise with each strand cut for the different bands say with a aligator clips on one end to connect to the tuner 72 Cal KF7ET

-----  
Date: Mon, 3 Jul 2000 06:44:26 -0400  
From: John AE5X <ae5x@juno.com>  
To: ekdave@earthlink.net  
Cc: qrp-1@lehigh.edu  
Subject: [74127] Re: Backpack antennas--the elevated vertical  
Message-ID: <20000703.065113.8486.1.ae5x@juno.com>

Hi David,

Your recent posting of your desire to get away from hauling your ZM-2 by building an elevated vertical was very interesting to me. I've been trying to lighten my radio gear for backpacking trips as well and I really want to get away from taking a tuner.

I'll be looking forward to reading about your results of this past weekend's camping trip with your QRP gear and I may give this antenna a try on my next trip, for all the reasons you mentioned.

Have fun and 72,

John Harper AE5X  
Ex: AA5YX, KA5BBL, VQ9BL  
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20  
Outdoor QRP: <http://home.att.net/~j..harper>

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 3 Jul 2000 06:50:30 -0400  
From: John AE5X <ae5x@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [74128] QRP Afield this fall?  
Message-ID: <20000703.065113.8486.2.ae5x@juno.com>

Mornin' amigos,

Anyone know if there are any outdoor QRP events (similar to QRP-TTF) scheduled for this fall?

Thanks,

John Harper AE5X  
Ex: AA5YX, KA5BBL, VQ9BL  
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20  
Outdoor QRP: <http://home.att.net/~j..harper>

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 03 Jul 2000 07:07:43 -0400  
From: Tom and Roxy <zikot@erie.net>  
To: qrp-l@Lehigh.EDU  
Subject: [74129] 4th of July QRP  
Message-ID: <3.0.5.32.20000703070743.007a6100@erie.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

To the QRP-L group:

I will be operating 10m CW QRP on 28.060 from the Presque Isle state park in Erie, PA. on the 4th of July from 1400-2200. I am going to have special QSL cards made for contacts that I make on the 4th that depict Presque Isle. Presque Isle is peninsula of land that jets out into Lake Erie and it is a very popular local and tourest attraction. You can go to their website at <http://www.presqueisle.org/> for more information.

I will be running a Radio Shack HTX-100 into a portable 10m inverted "V". I have found an excellent operating area at the very tip of the peninsula. If this location works very good for QRP I intend to make regular weekend trips to this spot. I am not positive but I think that the northern tip of Presque Isle state part is in a unique grid square but I have not been able to confirm this. If someone has detailed grid square info could you please check on this for me.

I hope to work many of the very helpful QRP operators that post here on QRP-L

Have a very happy 4th of July!

73's es gud DX!

Tom & Roxanne  
WA1VAI/3

-----  
Date: Mon, 3 Jul 2000 07:15:47 EDT  
From: Mercxx@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74130] Portable power  
Message-ID: <f9.7f5222.2691cfe3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Good morning,

I know that this is a wide open subject but I would appreciate any opinion or experience that could help me out. I am looking to operate portable while backpacking, at the beach and overseas. I was wondering what are some of the recommended solar panel setups and in the hotel room gel cell recharge systems out there. Thanks for any input in advance.

Steve  
N4TKP  
QRP-L 1763  
FISTS 4922

-----  
Date: Mon, 3 Jul 2000 08:00:21 EDT  
From: Kw4cz@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74131] FS : Bencher BY-2 Paddles  
Message-ID: <5b.805a38d.2691da55@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Greetings to all,

For sale Bencher Iambic Paddles BY-2 (Chrome Base)



On a scale of 1 - 10            9.5  
Original allen wrench in holder on base bottom  
Coax cable attached with stereo 1/8" mini-plug

GREAT set of paddles...just excess to my needs.

Price : \$65.00 and I pay shipping in ConUS

Take care and have a great July 4th.

73,  
Gordon   kw4cz  
Greensboro, NC

-----  
Date: Mon, 03 Jul 2000 09:22:48 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-1@lehigh.edu  
Subject: [74132] Re: Reverse Polarity Diodes  
Message-ID: <3.0.6.32.20000703092248.00796770@vmsspop.rit.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>One more trick. Use the reverse diode, yes.  
>BUT don't use a fuse if you don't need to  
>pass a lot of current. No. Use an incandescent  
>light bulb instead ! The cold filament has a fraction  
>of the current of a glowing hot, or even glowing  
>orange filament. With the light bulb, there's no  
>need to replace a fuse, and the glowing light  
>bulb reminds you of your stupidity, which  
>is always, I saw always, a Good Thing.

This is a popular trick in TV repair - a line cord with a lamp in series. A 120 volt, 100 watt bulb will limit the input current to about an amp or less. I've used the same stunt when working on large 12 volt power supplies and microwave ovens. It'll many times save an expensive transistor that otherwise would be destroyed by excessive input current.

Dave

-----  
Date: Mon, 03 Jul 2000 08:57:25 -0500  
From: Michael Melland <badger@vbe.com>

To: qrp-l@lehigh.edu, njqrp@njqrp.org  
Subject: [74133] OT: (to some) QRP project box deal  
Message-ID: <39609BC5.D46BCAAD@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know it's eBay but check out these boxes..... at \$1.35 each they look to be a very useful project box. I know I bid to get several.

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=368214500>

73 de Mike

--

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal, RC #252  
NJ-QRP #214, SOC #142, Cheeseheads QRP Club  
List Administrator: grundig@qth.net  
<http://www.vbe.com/~badger>

-----

Date: Mon, 3 Jul 2000 10:14:09 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <af852@rgfn.epcc.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74134] Re: AOL email problems-again!  
Message-ID: <008701bfe4f8\$f5aad860\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Looking back through my QRP-L folder, it looks as if the listserver is getting turned on once in the morning and once in the afternoon to drain the messages. Must be some sort of maintenance going on at Lehigh.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----Original Message-----

From: Ray Colbert <af852@rgfn.epcc.edu>  
Subject: Re: AOL email problems-again!

>Alan, I don't think it is AOL this time. I don't use that  
>and I have sent messages thru 3 different servers here  
>to QRP-L and only about half have arrived. Seems to have  
>started on Friday.

-----  
Date: Mon, 3 Jul 2000 08:19:30 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Charles K Brown <n4so@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74135] Re: Low Drop-out Regulators  
Message-ID: <Pine.LNX.4.10.10007030816140.955-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Not the bought one but I have a CMOS II keyer that I repackaged with a cold solder joint. I learned a lot about the circuit while searching for that problem. I think they are the same beastly. I have a zerox copy of the K-3 Keyer "manual" and the commands and schematic are the same.

What do you want to do?

On Sun, 2 Jul 2000, Charles K Brown wrote:

> Has anyone purchased, modified or repaired the Logi-Key K-3 Keyer from  
> IDIOM PRESS?  
>  
>  
>  
> National Semiconductor series  
> These are superior replacements for the 7805 regulators.  
>  
> Low Dropout Regulators/ Ultra Low Current Regulators  
>  
> In T0-220 pkg \$1.40 and the T0-92 pkg \$ .70  
> LM2931T-5.0-ND 5 volt 100 microamp Low Dropout Regulator  
>  
> LM2936-5.0-ND 5 volt Ultra Low Current Regulator  
> in the T0-92 package \$3.19  
>  
> Digi-Key catalog page 171  
>  
>

>  
>  
> Ken Brown N4SO  
> Mobile, AL EM50tk  
> NorCal 20 at 5 watts  
> 4 element mono. yagi  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Mon, 03 Jul 2000 07:25:00 -0700  
From: David Shalita <af389@lafn.org>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>  
Subject: [74136] OT: Fix Heathkit box plastic hinge  
Message-ID: <3960A23C.4DAC0B68@lafn.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All,

My Heathkit GRID DIP Oscillator is stored in a special HEATHKIT plastic box with places to store all the coils. Good box.

The plastic box has a lid that attaches to the main box with a plastic hinge. The plastic hinge is cracking in several places. Do you have any suggestions how I can repair the plastic hinge?

73, W6MIK

--

David Shalita (Dave)  
af389@lafn.org  
Van Nuys, CA

-----

Date: Mon, 3 Jul 2000 09:32:12 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [74137] Server routing problems  
Message-ID: <20000703.093212.3894.4.n4so@juno.com>

lujce@lehigh.EDU

If you are having problems with e-mail going through  
QRP-L, send email to:

Jim Eshleman <lujce@Lehigh.EDU>

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

---

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<http://dl.www.juno.com/get/tagj>.

---

Date: Mon, 03 Jul 2000 07:34:50 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Cc: forsale-swap@qth.net, qrp@qth.net  
Subject: [74138] FS or Trade: S&S Engr. ARK4 xcvr  
Message-ID: <20000703143450.83701.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

For Sale: S&S Engineering ARK4 transceiver, very nice condition, works fine.  
Has built in keyer. Original manual. Neat rig, rather rare. Have another  
one, this one is surplus to my needs.

\$135 shipped or trade up or down

Alan, N3BJ

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Mon, 3 Jul 2000 10:00:32 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [74139] ARS Spartan Sprint  
Message-ID: <20000703.100034.3894.8.n4so@juno.com>

From: Ken Newman <N2CQ@citnet.com>  
Thu, 29 Jun 2000 13:40:11 -0400

QRP Contesters,  
Don't forget the reliable ARS Spartan Sprint on the first  
Monday evening of \*EVERY\* month.  
(0100z-0300z Tue)

72 de Ken - N2CQ

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
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Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 03 Jul 2000 08:03:58 -0700  
From: Russ Dow <n7dw@garlic.com>  
To: K2UD@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74140] Re: NC40A AGC problem solved!  
Message-ID: <3960AB5E.AB638E85@garlic.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Nice trouble shooting, Howard!  
Thanks for sharing it with us.

73,  
Russ Dow N7DW

K2UD@aol.com wrote:

>  
> It should have been a no-brainer. It was, and so was I.  
>  
> After letting up on the key after transmitting, my Wilderness NC40A would  
> take a few seconds to recover and provide copy. Sounded like the AGC was  
> slow to recover, but after transmit? I had the pot adjusted for minimum AGC  
> action.  
>  
> Here's the diagnosis.  
>  
> As I do so often this time of year, I enjoy in repairing to the rear deck and  
> operating solar power from the picnic table. The Western New York QRP  
> Society, sun-worshippers division, you kneaux. I found that the problem  
> occurred when the rig was in direct sunlight and warmed up to sufficient  
> temperature. This problem did not occur on the bench BTW, and was driving me  
> crazy!  
>  
> I measured the AGC and key (mute) lines on the rig but found them to be  
> operating normally. When the rig is up to temperature in sunlight, it seems  
> that the 2 AGC FETs may be going thermal, taking their merry time to recover  
> even though the AGC and mute voltages are saying "receive you fool!" At  
> first guess, I'd like to point to the FETs, I didn't check the audio IC yet.  
> No matter, problem seems to be thermally related.  
>  
> The fix? Move the rig into the shade. I did, and it worked normally. Gave  
> it a suntan again, problem was back. Makes sense that the problem doesn't  
> occur in the basement or on the workbench (read that, kitchen table).  
>  
> Guys, give this a try, let me know if you have similar results. It would be  
> interesting to see who else suffers the same malady while trying to give  
> their '40A a tan!  
>  
> TNX to all es 72  
>  
> Howard Kraus, K2UD

-----

Date: Mon, 3 Jul 2000 08:13:52 -0700 (PDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [74141] Adjusting tuning range of NorCal 40A?  
Message-ID: <20000703151352.23866.qmail@web122.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I have a NorCal 40A that I picked up last year and promptly lost the manual. I want to adjust the tuning range so I can get the bottom 25. I need to know which one of the 3 adjustable tuning caps in there I need to tweak. Could someone help me out here?  
Also is the NorCal 40 manual online any where?

Thanks and 72!

Jeff

=====

Jeff Jones  
AB6MB  
NorCal QRP Club #65, QRP-L #1780, ARCI 10071  
Radical FIST Member 6798  
Voicemail/Fax 1-888-Excite2 ext 925-439-2514  
ICQ 62450117

-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Mon, 3 Jul 2000 11:31:50 EDT  
From: K4YBB@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74142] FS: G7-220  
Message-ID: <a9.7c1f1ef.26920be6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

ANY BODY INTERESTED IN A G7-220 HUSTLER ANTENNA MAKE ME A REASONABLE OFFER.  
ANTENNA IS STILL IN ORIGINAL SEALED BOX.  
73 JIM K4YBB

-----



Date: Mon, 3 Jul 2000 11:27:33 -0700  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <ae5x@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74143] Re: QRP Afield this fall?  
Message-ID: <002701bfe51c\$e0f598a0\$0496173f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hola, John-

'QRP Afield' is the third weekend in September, as in previous years. Last year's Sunday 'bonus session' for working the overnight stations was well-received and we'll do it again.

Detailed information will be posted after I return from the Ft. Tuthill 'happenings' in Flagstaff later this month.

73- Dave Benson, NN1G

-----Original Message-----

From: John AE5X <ae5x@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Mornin' amigos,

>

>Anyone know if there are any outdoor QRP events (similar to QRP-TTF)

>scheduled for this fall?

-----  
Date: Mon, 3 Jul 2000 11:35:42 -0400  
From: "George Goodroe" <goodroe@worldnet.att.net>  
To: "QRP-L post \ (E-mail\)" <QRP-L@lehigh.edu>, <tarc@hamclub.org>, <cars@k4ksa.org>  
Subject: [74144] Vertical Antenna Mounting question???  
Message-ID: <000201bfe504\$68074500\$0d00000a@ggoodroe01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I recently purchased a Cushcraft R6000 vertical...

Would there be any value in mounting the antenna any higher than just above roof level?

I have had good signal reports with the radials about 4 feet above the roof...the antenna is on a push-up pole and could be raised up...has anyone had any experience with this.

Thanks and 73 de KF4CPJ  
George Goodroe

-----  
Date: Mon, 3 Jul 2000 17:42:32 +0200  
From: "Guido Tedeschi (ik2bcp)" <ik2bcp@hamlan.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74145] E-mail of DJ7ST ?  
Message-ID: <001001bfe505\$5be51440\$0101a8c0@main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This weekend I was very busy, so I've done only 11 QSO on OQRP contest with my 20 m MFJCUB.  
I want to send my log but I want to do that via email (I don't want to pay the %&%@# italian post only for 11 QSO.... :-) )  
Anyone knows the e-mail address of DJ7ST ?  
73 & 72 de Guido, ik2bcp

-----  
Date: Mon, 3 Jul 2000 10:37:24 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [74146] Hot Carrier (Schottky) diodes  
Message-ID: <20000703.103725.3894.14.n4so@juno.com>

Source: ARRL Handbook ed. 1996 page 15.16  
Theory of mixers is located in the Handbook.

"Hot-carrier (Schottky) diodes are the devices of choice for diode-DBM rings because of their low ON resistance, although most ham-built DBM's for non-critical MF/HF use commonly avail. switching diodes like the 1N914 or 1N4148."

The 3 amp units were suggestions in the series that would work.

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 03 Jul 2000 11:45:06 -0400  
From: osier <osier@northnet.org>  
To: qrp-1@lehigh.edu  
Subject: [74147] RE: Argonaut 509  
Message-ID: <3960B502.719BB0F4@northnet.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Love my Argo 509 !!!!!  
Have worked W.A.C., W.A.S and DXCC with it and my "miles per watt" best  
is 119,000 M.P.W .... Been a outstanding rig for a fair price !!!! .....  
Busted many a pileup  
and will bust a lot more !!! Needs to go back to TT for a tune-up but  
runs fine !!!

73s  
George , N2JNZ/QRP

-----  
Date: Mon, 3 Jul 2000 10:53:01 -0500  
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [74148] Tick keyer minimum configuration?  
Message-ID: <F05408425630D4118DEE0000F840B5D485C7C3@alrsv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

Hello gang,

I'm looking for a minimal configuration for a Tick keyer chip. What I'd like to do is plug in a set of paddles, connect a battery pack, plug it into a radio and go. I don't know what model of Tick I've got as it came with a 38Special. I prefer the keyers to be separate from my rigs right now. I looked at the Embedded Research web site but couldn't find anything. (...just because I looked somewhere doesn't mean it wasn't there....)

73 and TIA  
Steve KC5TTY

-----  
Date: Mon, 03 Jul 2000 09:00:30 -0700  
From: Randy Foltz <rfoltz@turbonet.com>  
To: qrp1\_post <qrp-1@lehigh.edu>  
Subject: [74149] QRP ARCI Contest Reminder  
Message-ID: <3960B89E.600A6ADF@turbonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a reminder that Sunday July 9, 2000 from 2000Z through 2400Z is the QRP ARCI Summer Homebrew Sprint. This is a CW only contest that gives bonus points for homebrew rigs. If you built it, it is homebrew.

Summary:

- July 9, 2000 from 2000Z to 2400Z.
- Exchange
  - \* RST, state/province/country (SPC), and member number or power level.
  - NOTE: we have member numbers over 10,000, so don't be surprised at copying 5 digits.
- You may contact same station on different bands for credit
- QSO Points are
  - \* Member = 5 pts
  - \* Non-member different continent = 4 pts
  - \* Non-member same continent = 2 pts
- Multipliers
  - \* SPC total for all bands
  - \* SPC's count once each band

- Power
  - \* > 5W = x1
  - \* 1 to 5 W = x7
  - \* 250mW to 1 W = x10
  - \* <250mW = x15
- Bonus Points for homebrew gear (per band)
  - \* add 2,000 pts for using HB transmitter
  - \* add 3,000 pts for using HB receiver
  - \* add 5,000 pts for using HB transceiver
- Final score
  - \* QSO points X total SPCs X Power Mult + Bonus Points
- Send summary sheet and logs to me at address in signature line or by e-mail by August 9.
- After the contest use the High Claimed Scores reporting form at <http://personal.palouse.net/rfoltz/arci/form.htm>
- I will post the High Claimed scores each day by 9:00 PM PDT for two weeks at <http://personal.palouse.net/rfoltz/arci/highclm.htm> and the soapbox comments at <http://personal.palouse.net/rfoltz/arci/soapbox.htm>

Complete rules can be found at  
<http://personal.palouse.net/rfoltz/arci/sumhom.htm>

73,  
 Randy, K7TQ  
 QRP ARCI Contest Manager  
 809 Leith St.  
 Moscow, ID 83843

-----  
 Date: Mon, 3 Jul 2000 09:20:26 -0700  
 From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
 To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
 Subject: [74150] Power FET PA's and IC drivers?  
 Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC1A@arcadia-pd1.arcadiapd.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain

Could anyone email me schematics of Power FET CW transmitters (IRF-510, IRF-511, etc) which use IC oscillators/buffers?. I think Power FETS or "Hexfets"

would keep my  
transmit current demands down since these are supposed to be very  
efficient.  
I am looking for designs in the 5-watt to (OT ALERT!) 20-watt class.  
Thanks & 73  
Jay  
W6CJ

-----  
Date: Mon, 3 Jul 2000 09:26:40 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [74151] ARCI Membership Question  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBC1B@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

My ARCI # 8 years ago was 5050; under my old call WB6AAM.  
My membership has lapsed and would like to know if I could keep my  
5050 ARCI number when I get around to renewing?  
73  
Jay  
W6CJ

-----  
Date: Mon, 3 Jul 2000 12:29:50 -0400  
From: John AE5X <ae5x@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [74152] QRP backpacking configurations?  
Message-ID: <20000703.122951.18310.0.ae5x@juno.com>

Good morning,

I recently added a page to my website regarding specific rigs, antennas  
and band preferences for QRPers who backpack and would like to know what  
combinations others use who take their rigs on the trail: rigs, power  
supply, band of choice, antennas, etc.

I'm mainly interested in backpacking configurations as opposed to car  
camping  
Thanks and 72,

John Harper, AE5X  
Ex: AA5YX, KA5BBL, VQ9BL  
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20  
Outdoor QRP <http://www.qs1.net/ae5x>

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 03 Jul 2000 12:35:48 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74153] AFA Chips  
Message-ID: <3960C0E4.C53C0B87@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone know where I can get the AFA chip that is in the Norcal  
NC20? I think the one in my kit is bad.

Thanks  
Paul AJ4Y

-----  
Date: Mon, 3 Jul 2000 10:30:23 -0600  
From: "Mugleston, Brad" <brad.mugleston@gwl.com>  
To: cqcllist <cqcllist@cqc.org>, qrp-l <qrp-l@lehigh.edu>  
Subject: [74154] SMK-1  
Message-ID: <F9645092A142D3118CBD00805F15292E0A0EE5FA@eb-mail1.gwl.com>  
MIME-Version: 1.0  
Content-Type: text/plain

I was able to play radio over the weekend and attempted to use my SMK-1 - I  
got no takers but had fun anyway. I've looked through the last months  
digests and didn't see what I need.

My SMK-1 receives a local radio satiation when the gain is way up (no  
problem turn the gain down just a little) BUT when I key DOWN the station  
comes right back in again - that's right key up no interference key down  
MUSIC. Anyone know of a quick fix?

Also, I believe I'm using the rig correctly but not positive. I've been

setting the transmit frequency (right knob) wherever and using the receive frequency (center knob) to a tone I like. I've been sending out CQ's and then moving the center (receive) knob around to see if any one has answered. This seems correct to me but HOW do I zero beat some one calling CQ? Do I leave the receive knob alone and adjust the transmit knob (while returning his/her call) until the two tones (the CQ and my return) sound alike? This seems correct to me but lots of things seem right to me that are WRONG.

Thanks

de KI00T, Brad

-----  
Date: Mon, 3 Jul 2000 09:40:09 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: ARDUJENSKI@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [74155] Re: 1/2 wave feed  
Message-ID: <Pine.GS0.4.10.10007030932170.22426-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Jul 2000 ARDUJENSKI@aol.com wrote:

> In planning a NO TUNER antenna I plan to have a 40/20M dipoles cut for 7040  
> and 14.060 (or close). This will be fed with coax. Is there an advantage of  
> cutting the feed to multiples of 1/2 wave? Say in this case 66 ft long.

Hi Alan and all,

I'll include the list because many others might wonder about this also.

In this case, I'd just make the feed line however long it needs to be to reach the rig.

Then "prun" the antenna elements to get a good match. This way you really don't care about what is going on at the antenna/feed point but only what the rig is seeing.

Any mismatch will still be there but the loss at 40m and 20m will not be enough to worry about.

You can "kinda" think of this as having the choice of using a tuner and tuning the antenna every time you change bands or tuning the antenna itself once and not using a tuner!



It's best to have the two dipoles at 90 degs to each other if you can and there will be some interaction between the two as you do your pruning.

But they make for a very nice, no tune, fast band change antenna system.

Hope this helps,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Mon, 03 Jul 2000 12:46:18 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l@lehigh.edu  
Subject: [74156] Re: Tick keyer minimum configuration?  
Message-ID: <3.0.6.32.20000703124618.0079a690@vmsspop.rit.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:53 AM 7/3/00 -0500, you wrote:

>I'm looking for a minimal configuration for a Tick keyer chip. What I'd  
>like to do is plug in a set of paddles, connect a battery pack, plug it into  
>a radio and go. I don't know what model of Tick I've got as it came with a  
>38Special. I prefer the keyers to be separate from my rigs right now. I  
>looked at the Embedded Research web site but couldn't find anything.  
>(...just because I looked somewhere doesn't mean it wasn't there....)

Steve,

I have a circuit I cobbled together from the downloadable TiCK-1 data sheet from the Embedded Research site, plus a schematic of a rig (possibly the 38 Spl.) I also found on the Web.

Unfortunately, the schematic is on my computer at work and I'm off for a week. If you're in a moderate hurry, I think I can re-create it from memory and available docs (and the completed circuit board I built for it, which is right here).

Or, if you can wait, I can send you my original schematic when I get back to work next Monday.

It's a pretty minimal circuit - I used an LED in place of a speaker for the keyer sidetone because the family doesn't like CW. But you could change a resistor and connect a speaker instead. It uses a 2N2222 transistor as the keying interface to the transmitter, but for small rigs that run the entire transmitter current through the key line, you may need a different interface. (Somebody on this list last year suggested a 2N7000 FET to replace the 2N2222 in such an application, but I haven't tried it.)

Let me know if you want the schematic. I can send it as a BMP or GIF file, or (better) as a Circad schematic file.

Dave

-----  
Date: Mon, 03 Jul 2000 09:50:01 -0700  
From: Jim/Julia <w7ls@blarg.net>  
To: af389@lafn.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74157] Re: OT: Fix Heathkit box plastic hinge  
Message-ID: <3960C439.FE9C72AB@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Go to a plastic store and buy a set of plastic hinges. I think you can melt them on. If not, screw them on. They have the stuff. I use TAP Plastics.  
Jim

David Shalita wrote:

> Hi All,  
>  
> My Heathkit GRID DIP Oscillator is stored in a special HEATHKIT plastic  
> box with places to store all the coils. Good box.  
>  
> The plastic box has a lid that attaches to the main box with a plastic  
> hinge. The plastic hinge is cracking in several places. Do you have any  
> suggestions how I can repair the plastic hinge?  
>  
> 73, W6MIK  
> --  
> David Shalita (Dave)  
> af389@lafn.org  
> Van Nuys, CA

-----  
Date: Mon, 3 Jul 2000 13:08:41 EDT  
From: NB6M@aol.com  
To: brockwse@fssec.army.mil  
Cc: qrp-1@lehigh.edu  
Subject: [74158] Re: Tick keyer minimum configuration?  
Message-ID: <b2.75b18fb.26922299@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Steve and gang,

Looking for a "minimal" Tick keyer too, I built one into a box I made from single sided PC board that measures 1 7/16" wide, 1 1/8" tall, and 1 3/4" long. The battery and Piezo buzzer are included inside the box.

The inside dimensions, because the two end pieces are inset about an eighth of an inch, are 1" tall by 1 1/4" wide by 1 3/8" long.

The battery I used is a 3 Volt calculator type battery, a CR2032 or similar, and I find that it lasts over a year and a half with a lot of CW operating.

I made a battery holder as part of the mount for the Piezo buzzer. Since the buzzer has two "ears" through which 4-40 screws can be routed to mount it, I made a strap of PC board material that I drilled with a 1/16" drill and tapped with a 4-40 tap (available from any hardware store) so that the 5/8" long (or so) 4-40 screws that go through the ears of the piezo buzzer now screw into the strap.

The buzzer goes up against one end of the box, and I drilled a hole in the PC board end to correspond with the hole in the plastic case of the buzzer so that the sound could be heard outside the box. The screws are flat head and recessed into the end of the box. The holes in the two ears of the buzzer are drilled out slightly so as to allow clearance for the 4-40 screws. The key paddle jack, mode switch and connector for the key line are in the other end of the box.

I soldered a short wire from ground to one end of the foil side of the PC board strap, put the strap in place and started the screws into their respective holes in the strap. Then I put the 3 volt battery between the strap and the plastic case of the piezo buzzer, with the negative side of the battery against the copper foil of the strap.

I tinned about 3/8" of the end of the wire intended to go from the positive

side of the battery to the circuit, flattened it, pushed the flattened and tinned part of the wire between the positive side of the battery and the plastic case of the buzzer, and snugged the two screws down carefully to hold the battery and positive connection in place.

There is no on-off switch, but the battery lasts almost forever anyway. According to Embedded Research, if you left the chip in a mode hunting loop, as in perhaps pushing the mode button for "S" for speed and then didn't complete the action by pressing either the dit or dah paddle, the chip will use more current. As long as the mode function is completed, the chip uses almost nothing on standby.

You could make the package even smaller by leaving out the Piezo buzzer and using an LED and series resistor in its place and watch the flashes for doing your mode selection. I didn't have a buzzer with me on my sailboat in the Sea of Cortez when I built my first Tick keyer (using a 12 volt soldering iron), and I used the LED flasher for mode selection quite successfully.

However, with the buzzer you have a keyer and a nice code practice oscillator as well. And, the audio from the buzzer also provides "sidetone" for a rig that doesn't have a sidetone oscillator.

72

Wayne NB6M

-----  
Date: Mon, 3 Jul 2000 13:18:20 -0400  
From: "Jim McKinley" <flyable@starpower.net>  
To: <ae5x@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [74159] Re: QRP backpacking configurations?  
Message-ID: <00b301bfe512\$b0cf2240\$4ff9fea9@oemcomputer>

Thanks John, I enjoy your web page and will look for the new page..

Jim, WD40JY

----- Original Message -----  
From: John AE5X <ae5x@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Monday, July 03, 2000 12:29 PM  
Subject: QRP backpacking configurations?

> Good morning,  
>

> I recently added a page to my website regarding specific rigs, antennas  
> and band preferences for QRPers who backpack and would like to know what  
> combinations others use who take their rigs on the trail: rigs, power  
> supply, band of choice, antennas, etc.  
>  
> I'm mainly interested in backpacking configurations as opposed to car  
> camping  
> Thanks and 72,  
>  
> John Harper, AE5X  
> Ex: AA5YX, KA5BBL, VQ9BL  
> HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20  
> Outdoor QRP <http://www.qsl.net/ae5x>  
>  
>  
-----  
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> <http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 03 Jul 2000 13:28:25 -0700  
From: "Craig A. Ferris" <cferris@aeronix.com>  
To: qrp-l@Lehigh.EDU  
Subject: [74160] Wanted: MC14499P display driver  
Message-ID: <3960F769.D1B468D4@aeronix.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am looking for this obsolete Motorola part in thru hole or surface  
mount. If you have one or two you can spare, please let me know. Reply  
direct.

73,  
Craig NR4E  
Melbourne, FL

-----  
Date: Mon, 03 Jul 2000 13:40:55 -0400  
From: Michael Bower <bowerm@ix.netcom.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [74161] NC40A -> NC20

Message-ID: <3960D026.C10DBEF7@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Since (I presume) they are closely related,

is it possible to take a Wilderness NC40A and put it on 20 meters instead of 40?

TIA

Michael N4NMR

-----  
Date: Mon, 3 Jul 2000 13:48:43 -0400

From: "Richard E. Robinson" <rerobins@email.uncc.edu>

To: colcal@srv.net

Cc: qrp-l@lehigh.edu

Subject: [74162] Re: Ribbon Cable

Message-ID: <v03110707b586809dd293@[152.15.144.71]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Cal,

I have a 2 sets made from 9 conductor ribbon cable and they work great, just the thing for eliminating RF feedback and helping match my long wire. They are based on plans from the RSGB book "Practical Wire Antennas" by John Hays, G3BDQ. The cable is 33 1/2" long and it contains 1/4 wave radials for 80 - 10 including the WARC bands. I soldered a banana plug on one end which plugs directly into the connectors on the rear of my K2 and also my ZM-2. I have aligator clips which will fit onto the end of the banana plug if needed.

One set stays home and goes around the baseboard of the shack and the other set is for portable use.

72,

Rick kf4ar

>Has anyone tried to use ribbon cable as a counterpoise with each strand cut  
>for the different bands say with a aligator clips on one end to connect to  
>the tunner 72 Cal KF7ET

-----  
Date: Mon, 3 Jul 2000 14:01:38 -0400  
From: "Alex Turner" <aturner13@mindspring.com>  
To: <QRP-L@lehigh.edu>, <elecraft@qth.net>  
Subject: [74163] Bandpass filter testing  
Message-ID: <000e01bfe518\$bd42a320\$a4611e01@ws2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Continuing with my amplifier problems. Can someone suggest a way to test the bandpass filters to see if they are reasonably close without the use of a sweep generator. I have several receivers and a scope and I would like to know that after the filters are built that they are working.

Thanks  
Alex, N4BYJ

-----  
Date: Mon, 03 Jul 2000 11:15:36 -0700  
From: Allan G Taylor <k7gt@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [74164] FS: 40m QRP rigs  
Message-ID: <3960D848.4D22@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have three 40m QRP rigs. At least one of them must go...

NC40A/KC1. Puts out just over 3 watts. \$130 shipped

RH40/Tick4. Puts out full 5 W. \$150 shipped

SST/40m. With parts for Tick1 install. \$80 shipped.

73 Allan

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

-----  
Date: Mon, 03 Jul 2000 14:16:12 -0700  
From: paul taylor <ptay1@miro.bestweb.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [74165] n5ib cw adapter questions  
Message-ID: <3.0.32.20000703141506.0069e0dc@pop.bestweb.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I don't see all that well and so I have questions.

Has anyone built one of these adapters?

use a printed circuit board?

is the prototype on copper board or perf board?

Any assistance would be greatly appreciated

Thank you.  
paul wb2gin

-----  
Date: Mon, 03 Jul 2000 14:52:50 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [74166] Museum Ships Event - USS Kidd  
Message-ID: <20000703.134537.4663.2.N5IB@juno.com>

Here's an announcement from the USS Salem ARC of the Museum Ships on the Air weekend. I'll be in Slidell LA giving a QRP forum early Saturday, but will be back to join the rest of the W5KID crew later in the day. The USS Kidd (W5KID) will be mostly ssb on 10, 15, and 20, but I'll try to put in some cw time Saturday evening on 40 and 20 near the QRP frequencies. We intend to go all 30 hours, presuming there's a group overnighing aboard Saturday night so we can stay after closing. There's a certificate for working 5 ships.

72  
Jim N5IB

\*\*\*\*\*  
MUSEUM SHIP SPECIAL EVENT



JULY 15 @ 1330Z - JULY16 @ 1900Z

The operating time will be from

July 15 1330Z through 1900Z July 16

Sponsored by the USS SALEM RADIO CLUB - K1USN

\*\*\*\*\*

For AWARDS and CERTIFICATES see Web Page:

<http://www.ziplink.net/~rcal/salem/ops.html>

EMAIL: Bob W1QWT : recallahan@mediaone.net

\*\*\*\*\*

The following Museum Ships will be participating in the event.

More ships will be added leading up to the event.

	LOCATION	CALLSIGN
CRUISERS		
*****		
USS Salem	Quincy, Ma.	K1USN
HMS Belfast	London, England	GB2RN
USS Littlerock	New York	W2PE
BATTLESHIPS		
*****		
USS Massachusetts	Fall River, Ma.	KN1EPL
USS North Carolina	North Carolina	AC4RC
USS Alabama	Alabama	KG4HDP
USS Texas	Texas	W5RNF
AIRCRAFT CARRIERS		
*****		
USS Yorktown	South Carolina	WA4USN
USS Lexington	Corpus Christi, Texas	W5LEX
USS Hornet	California	NB6GC
DESTROYERS		
*****		
USS The Sullivans DD537	New York	W2TU
HMCS Haida	Toronto, Canada	VA3XJF
USS Kidd	Louisiana	W5KID
USS Laffey DD 724	South Carolina	WA4USN
USS Slater DE766	Albany, New York	N2USN
HMS Smaland	Sweden	SK6SL
SUBMARINES		
*****		
USS Pampanito	California	NJ6VT
USS Torsk	Baltimore, MD	NK3ST
USS Croaker	New York	WA2FKV
USS Cod	Ohio	K8KRG
USS Requin	Pittsburg, PA.	NY3EC

USS Cavalla	Texas	W000G
USS Drum	Alabama	KG4HDP

VICTORY SHIPS AND FREIGHTERS

\*\*\*\*\*

SS Red Oak	California	K6YVM
MV Cap San Diego	Hamburg, Germany	DL0MFH
MV Frieden	Rostock, Germany	DL0MCM
SS W.G. Mather	Ohio	KC8EXL

FRIGATE

\*\*\*\*\*

HDMS Peder Skram	Denmark	OZ1RDN
------------------	---------	--------

MINE SWEEPERS AND MINE LAYERS

\*\*\*\*\*

MV Abraham Crijnssen MS	Den Helder, N.L.	PI4MRC
MV Pluto MS	Hameln, Germany	DF0MV
Rudolph Diesel MS	Senheim, Germany	DL0DAU
MV Deneb MS	Frankfurt, Germany	DL0MFF
MV Keihassalmi ML	Finland	OI1AXA

SALVAGE TUG

\*\*\*\*\*

MV Seefalke	Bremerhaven, Germany	DL0MFM
-------------	----------------------	--------

LIGHTSHIP

\*\*\*\*\*

MV Columbia	Oregon	W7BU
-------------	--------	------

STERNWHEELER

\*\*\*\*\*

SS Portland (K7VV)	Portland, Oregon	W7P
-----------------------	------------------	-----

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-----  
Date: Mon, 03 Jul 2000 13:01:35 -0600

From: Ray Colbert <af852@rgfn.epcc.edu>

To: JCoote@ci.arcadia.ca.us

Subject: [74167] Re: ARCI Membership Question

Message-ID: <3960E30F.AA97613D@rgfn.epcc.edu>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, you should keep the same number when renewing under  
your "new" call.

--

"The more I see of the representatives of the people, the more I  
admire my dogs." letter from Count d'Orsay to John Foster 1850  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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-----  
Date: Mon, 3 Jul 2000 15:15:22 -0400 (EDT)  
From: lujce@Lehigh.EDU  
To: qrp-l@lehigh.edu  
Subject: [74168] Status of QRP-L  
Message-ID: <200007031915.PAA253860@nss4.cc.lehigh.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

QRP-L has been moderated for the past few days, as some of you have  
noticed, to suppress off-topic threads and "flame wars". It really  
irritates me to have to do this, and I'm sure you don't like it much  
either. I do want QRP-L to remain free and unmoderated while continuing  
to grow bigger/better/faster. So, I have designated list manager(s) whose  
job it will be to oversee the day to day operation of the list, including:

- post a Frequently Asked Questions (FAQ) list periodically.
- issue gentle reminders concerning off-topic posts, excessive  
quoting, etc.
- issue no-so-gentle reminders concerning questionable behaviour.
- call to my attention inappropriate behaviour, foul language,  
personal attacks, frequent off-topic posters, etc. which may  
result in suspension or expulsion from the list.
- and so on

Sorry, but this *is* an ultimatum. Those that don't agree with this  
mode of operation are free to go elsewhere. I don't care to discuss it.

I have selected the QRP-L manager(s) and will back them 100 percent.  
They can be reached at: manager@qrp.Lehigh.EDU

Until the FAQ is ready (Real Soon Now) I can give examples of subjects  
that are off-topic and not welcome:

band plans, no code/slow code, question pools, restructuring,  
regulatory matters

Remember this list is for QRP-related topics and is not a general  
amateur radio discussion. If you're not sure that a subject is  
appropriate, just ask manager@qrp.Lehigh.EDU

With that out of the way, I'd like to thank you all for your support  
over the years. It has been appreciated.

73  
Jim N3VXI

-----  
Date: Mon, 3 Jul 2000 20:23:22 +0100  
From: "Mel Evans" <mel@euramcom.freemove.co.uk>  
To: <qrp-l@lehigh.edu>  
Subject: [74169] plastic hinges on Heath stuff  
Message-ID: <010b01bfe524\$5b0b16e0\$9f34883e@dsnqutvf>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi David,

Here in the UK we have two or three big chains of Do-it-yourself stores. I  
would look in one of those for plastic (read nylon) piano hinge. That's the  
continuous stuff you find on the keyboard lid on an old piano. This you can  
now get in lightweight plastic and you buy a chunk then cut to your needed  
size. Use some nice round head machine screws and nuts, cut off the old  
hinge and replace the entire thing on the inside of the lid and side of the  
box so's your only seeing the machine screw heads from the outside.

If you can't find it in a DIY store, try a place that supplies trailer  
caravans or RV's, this stuff shows up there 'cos it's strong yet very  
lightweight, needed for keeping overall weight down on to-day's caravans.

Hope this helps

Regards

Mel  
GM6JAG  
Edinburgh, Scotland UK  
Home of the last HW9

-----Original Message-----

From: David Shalita <af389@lafn.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: 03 July 2000 15:38  
Subject: OT: Fix Heathkit box plastic hinge

>Hi All,  
>  
>My Heathkit GRID DIP Oscillator is stored in a special HEATHKIT plastic  
>box with places to store all the coils. Good box.  
>  
>The plastic box has a lid that attaches to the main box with a plastic  
>hinge. The plastic hinge is cracking in several places. Do you have any  
>suggestions how I can repair the plastic hinge?  
>  
>73, W6MIK  
>--  
>David Shalita (Dave)  
>af389@lafn.org  
>Van Nuys, CA  
>

PS, Did I offend you? my first mail returned blocked by your server?

Visit the British Caravanners Club Website for Scotland

<http://www.bccscotland.freemove.co.uk>

for details of BCC activities in Scotland

-----  
Date: Mon, 3 Jul 2000 14:38:59 -0500  
From: "John Burnley" <burnleyia@home.com>  
To: <qrp-l@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>  
Subject: [74170] Milliwatt Triple Crown Final Leg  
Message-ID: <005a01bfe526\$5577dd60\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For those of you who missed the original announcement,  
here are the details for the final leg of the Milliwatt Triple  
Crown.

### Milliwatt Triple Crown Third Leg

#### DATES AND TIMES:

All dates and times are in UTC! Maximum operating time during each  
day is 4 hours.

1st Day Friday July 14th, 2000 23:00Z to Saturday July 15th, 2000 06:00Z.  
2nd Day Saturday July 15th, 2000 23:00Z to Sunday July 16th, 2000 06:00Z.  
3rd Day Sunday July 16th, 2000 23:00Z to Monday July 17th, 2000 06:00Z.

Participants may only operate 4 hours of the 7 hour window per day  
and may submit a log for only 2 days of the 3 day contest.

EXCHANGE: Exchange RST, SPC, First Name, PWR.  
Suggest using W as decimal point when reporting power. I.e., 1W5 =  
1.5W, W5 = 500mW, W25 = 250mW, W02 = 20mW.

SCORING: QSO points are awarded to contestants according to their power  
output. Power may be changed from QSO to QSO and must be noted in the  
log.

1001mW and over	1	Point
501mW to 1000mW	2	Points
251mW to 500mW	4	Points
101mW to 250mW	8	Points
51mW to 100mW	16	Points
26mW to 50mW	32	Points
11mW to 25mW	64	Points
1mW to 10mW	128	Points
<1mW	500	Points

NOTE: No schedules or prearranged contacts between stations are  
permitted.

BONUS MULTIPLIER: Number of identical first letters of first names  
worked. I.e., worked Jim, John, Jennie, Joe, Jack, = 5 multiplier.  
Note: one name only counts once - if you work 10 Jacks, that's still

just one multiplier.

CLUB BONUS: Anyone who works a club station which is running the specified power levels listed below collects bonus points as follows:  
(Clubs will not raise or lower power to accommodate a single QSO.)

900mW 1,000 points  
500mW 2,000 points  
250mW 3,000 points  
100mW 4,000 points  
50mW 5,000 points

Calculate score for each days activity:

$(\text{QSO Points}) \times (\text{Total SPC Multipliers all bands}) \times (\text{Bonus Multiplier}) +$   
 $(\text{Club Bonus total}) = \text{Daily Score.}$

Add the two best daily scores to find Total Score.

PRIZES: TBA

LOGS: Submit logs before September 1st, 2000. Winners will be announced on QRP-L ,KLQRP, and IAQRP-L. Send logs to:

Mark Milburn  
117 E. Phillip St  
Des Moines, IA 50315-4114

or email logs to:

IowaQRPClub@juno.com

72, John NU0V

-----  
Date: Mon, 3 Jul 2000 15:05:28 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [74171] Boards for LCD Keyer  
Message-ID: <200007031943.PAA25685@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Sorry to make this a general post, but it's a lot easier this way...

Boards for the LCD Keyer will be available from FAR Circuits for \$7.00 plus postage (figure \$1.50) They should be ready in 10-14 days.

Order direct from FAR, ask for the KD1JV LCD keyer board set. (main board and switch board)

FAR Circuits  
18N640  
Dundee, IL 60118

I'd like to give Fred an idea of how many board to make. With 60 some odd sets of parts shipped, it's probably easier to ask how many DON'T plan on ordering boards. (ie, you already started to build it or plan to hand wire it anyway)

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 3 Jul 2000 14:20:26 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: George Goodroe <goodroe@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74172] Re: Vertical Antenna Mounting question???  
Message-ID: <Pine.LNX.4.10.10007031418250.762-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The R6000 is a 1/2 wave antenna and getting just above the usual fences and buildings near by is all that's required, although if you can get it 75 feet in the air it would help too. But the gain from just above roof level to 75 feet is small.

On Mon, 3 Jul 2000, George Goodroe wrote:

> I recently purchased a Cushcraft R6000 vertical...  
>  
> Would there be any value in mounting the antenna any higher than just above  
> roof level?  
>  
> I have had good signal reports with the radials about 4 feet above the  
> roof...the antenna is on a push-up pole and could be raised up...has anyone  
> had any experience with this.  
>



> Thanks and 73 de KF4CPJ  
> George Goodroe  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Mon, 03 Jul 2000 14:41:36 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>  
Subject: [74173] Re: Status of QRP-L  
Message-ID: <B58656A0.171F%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Jim - I support your efforts to improve the quality of posts on QRP-L. I value the unmoderated list approach and think that your manager approach is a good one to remind people to keep on the track.

I do want to thank you for all of the effort you put into QRP-L. I know it is at times a difficult job. I have been a subscriber since 94 and it is one of the few internet lists that I have gotten consistently over that time. QRP rekindled my spark for amateur radio and QRP-L was responsible for that. Thanks again and keep up the good work. I appreciate it. - Duffey

--

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Mon, 3 Jul 2000 19:20:26 +0100  
From: wd3p@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [74174] Re: If you are using short vertical...  
Message-ID: <20000703.204633.-427987.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

On Mon, 3 Jul 2000 03:03:29 EDT ARDUJENSKI@aol.com writes:

> You may want to read this article if you haven't already by VK1BRK if  
> you use  
> short verticals in the field. It points out elevating 0.05  
> wavelength and use

A question for the group. I have seen the stuff on the effect of the terrain on the takeoff angle on a dipole - effectively lowering the angle when located on the top of a hill / mountain. Has anyone done a similar analysis on a vertical. With the already low takeoff angle I'm curious what the effect is if I put a vertical on top of a mountain or on the side of a ridge.

73 de Larry.....WD3P

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 3 Jul 2000 14:54:57 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: QRP-L List <qrp-l@lehigh.edu>

Subject: [74175] ARCI Membership

Message-ID: <Pine.LNX.4.10.10007031452340.762-100000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I see a lot of people have the subject membership. I'm new to this list but have been a QRP addict for 25 years. What must I do to join ARCI and why should I?

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Mon, 3 Jul 2000 17:23:59 -0400

From: k1vp@lawson-philpot.com

To: qrp-l@lehigh.edu

Subject: [74176] FS items and POQET question

Message-ID: <3960CC2F.29224.4ED994@localhost>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

FS 30M Emtech rig with audio filter nicely built and excellent condition \$110. Just don't use it enough to have it on desk and needs a good home.

If anyone is using the POQET in the field and using it to key a transmitter, I would appreciate a private message to discuss how to set it up. ditto on using serial link to transfer programs.  
TIA

Ed Lawson

-----  
End of QRP-L Digest 1871

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